



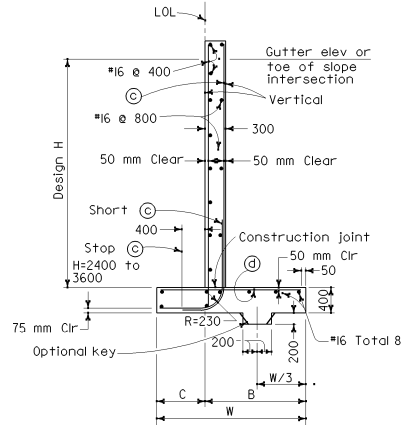
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Overcomer Y. Hsu
 REGISTERED CIVIL ENGINEER
 No. 45803
 Exp. 12-31-06
 CIVIL
 STATE OF CALIFORNIA

July 1, 2004
PLANS APPROVAL DATE

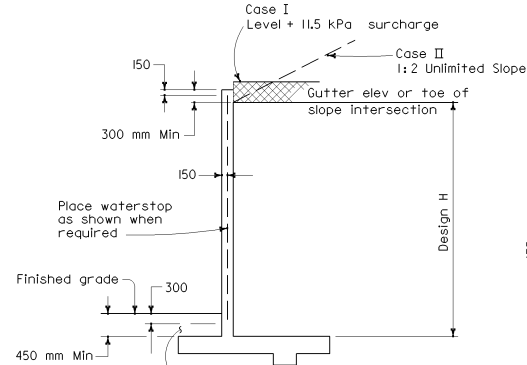
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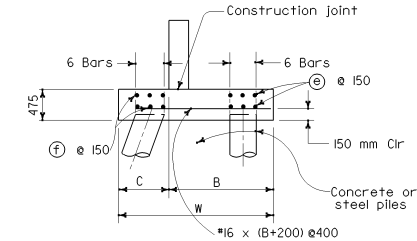
SPREAD FOOTING SECTION

Place concrete in toe, against undisturbed material, except as permitted by the Engineer.



Backfill sufficiently to prevent ponding. To be done after removal of wall forms and before backfilling behind walls.

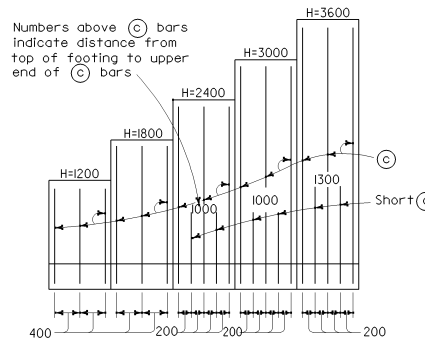
DESIGN



400 kN PILE FOOTING SECTION

Reinforcement detailed is to be placed in addition to that shown for spread footing. All piles not shown, see Pile Layout on other sheets. For pile footing for Design H=200 use same footing dimensions as for Design H=800.

TABLE OF REINFORCING STEEL, DIMENSIONS AND DATA					
Design H	1200	1800	2400	3000	3600
W	1000	1300	1600	1900	2200
C	300	400	500	600	700
B	700	900	1100	1300	1500
(c) bars	#16@400	#16@400	#16@200	#19@200	#25@200
(d) bars	#16@400	#16@400	#16@400	#16@200	#19@200
Total (e) bars	6-#19	6-#19	6-#19	6-#25	6-#25
Total (f) bars	—	—	—	6-#19	6-#19
Case I-Toe Press. kPa	75	95	110	125	135
Case II-Toe Press. kPa	50	70	90	110	130



ELEVATION

NOTES

- Retaining Wall Type 1A designed for Design Loading Cases I and II only.
- For design notes, drainage notes and other details, See (B3-8).
- For wall stem joint details, see (B0-3/3-3) and (B0-3/3-4).
- At (c) and Short (c) bars:
 $H \leq 1800$ mm, no splices are allowed within 500 mm above the top of footing.
 $H > 1800$ mm, no splices are allowed within $H/4$ above the top of footing.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION RETAINING WALL TYPE 1A

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

B3-3